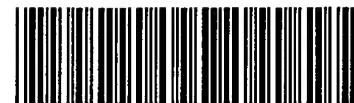


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/520,350  
Source: pcr  
Date Processed by STIC: 3/9/06

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 03/09/2006

PATENT APPLICATION: US/10/520,350

TIME: 12:28:22

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\03092006\J520350.raw

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3 <110> APPLICANT: Toshiyuki KOMORI
4     Yoshimitsu TAKAKURA
5     Yuko HIEI
6     Shoichi SUZUKI
7     Yoshiki KURAYA
10 <120> TITLE OF INVENTION: THE RICE RESTORER GENE TO THE RICE BT TYPE CYTOPLASMIC MALE
STERILITY
12 <130> FILE REFERENCE: 0230-0220PUS1
14 <140> CURRENT APPLICATION NUMBER: US 10/520,350
15 <141> CURRENT FILING DATE: 2005-01-04
17 <150> PRIOR APPLICATION NUMBER: JP 2002-197560
18 <151> PRIOR FILING DATE: 2002-07-05
20 <160> NUMBER OF SEQ ID NOS: 87
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24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of R1877
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29     sequence.
31 <400> SEQUENCE: 1
32 cattcctgct tccatggaaa cgtc 24
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35 <211> LENGTH: 33
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of R1877
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41     sequence.
43 <400> SEQUENCE: 2
44 ctctttctgt atacttgagc tttgacatct gac 33
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 20
48 <212> TYPE: DNA
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of G4003
HindIII
53     marker sequence.
55 <400> SEQUENCE: 3
56 gatcgacgag tacctgaacg 20
58 <210> SEQ ID NO: 4

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59 <211> LENGTH: 24  
60 <212> TYPE: DNA  
61 <213> ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

DATE: 03/09/2006

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Input Set : A:\PTO.KD.txt

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63 <220> FEATURE:
64 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of G4003
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65     marker sequence.
67 <400> SEQUENCE: 4
68 aatagttgga ttgtcctcaa aggg 24
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 27
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of C1361
MwoI marker
77     sequence.
79 <400> SEQUENCE: 5
80 aaagcaaccg acttcagtgg catcacc 27
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 24
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Oligonucleotide primer for amplification of C1361 MwoI marker
sequence.
91 <400> SEQUENCE: 6
92 ctggacttca tttccctgca gagg 24
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 27
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Oligonucleotide primer for amplification of G2155 MwoI
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103 <400> SEQUENCE: 7
104 gaccaccaat taactgatta agctggc 27
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 27
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of G2155
MwoI marker
114     sequence.
116 <400> SEQUENCE: 8
117 tttctggctc caataatcag ctgtagc 27
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 27
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of G291
MspI marker
126     sequence.
128 <400> SEQUENCE: 9

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131 <210> SEQ ID NO: 10

## RAW SEQUENCE LISTING

DATE: 03/09/2006

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Input Set : A:\PTO.KD.txt

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132 <211> LENGTH: 24
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134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of G291
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138     sequence.
140 <400> SEQUENCE: 10
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143 <210> SEQ ID NO: 11
144 <211> LENGTH: 24
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of R2303
BslI marker
150     sequence.
152 <400> SEQUENCE: 11
153 atggaaagat acactagaat gagc 24
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 24
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of R2303
BslI marker
162     sequence.
164 <400> SEQUENCE: 12
165 atcttatata gtggcaggaa agcc 24
167 <210> SEQ ID NO: 13
168 <211> LENGTH: 24
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of S10019
BstUI marker
174     sequence.
176 <400> SEQUENCE: 13
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179 <210> SEQ ID NO: 14
180 <211> LENGTH: 24
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of S10019
BstUI marker
186     sequence.
188 <400> SEQUENCE: 14
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191 <210> SEQ ID NO: 15
192 <211> LENGTH: 24
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence

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196 <220> FEATURE:

## RAW SEQUENCE LISTING

DATE: 03/09/2006

PATENT APPLICATION: US/10/520,350

TIME: 12:28:22

Input Set : A:\PTO.KD.txt

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197 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of S10602
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198     sequence.
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203 <210> SEQ ID NO: 16
204 <211> LENGTH: 24
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of S10602
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210     sequence.
212 <400> SEQUENCE: 16
213 tagccatgca acaagatgtc atac 24
215 <210> SEQ ID NO: 17
216 <211> LENGTH: 26
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of S12564
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222     marker sequence.
224 <400> SEQUENCE: 17
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227 <210> SEQ ID NO: 18
228 <211> LENGTH: 27
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Synthetic oligonucleotide primer for amplification of S12564
Tsp509I
234     marker sequence.
236 <400> SEQUENCE: 18
237 tttgtgggtt tgtggcattg agaaaat 27
239 <210> SEQ ID NO: 19
240 <211> LENGTH: 2240
241 <212> TYPE: DNA
242 <213> ORGANISM: Oryza sativa L.
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <223> OTHER INFORMATION: PCR marker G4003 HindIII
248 <400> SEQUENCE: 19
249 gcggcgcgtc cgggaagtcg agcgagtaga cgccoctgac gccgtacgcg tcggcgagcc 60
250 gcagcggcgt ctctggcggt gtgaaggaca gcccgttcag cgtcgcgcgg cgccgcccgt 120
251 tgatcgtcac cggcgccgtg ctccgcagca ggtacgcctg cgtcacgttg atcgacgagt 180
252 acctgaacga tccctgtggg ttcggcctcg ccgctccggc actcaggttc cacctgcccc 240
253 atgcaaaaaa ccaaaaccca aaagcttaat gcgaataata catcattcca cgtatttaaa 300
254 aaaataatth ataggtaaaa tttttataat gtatttttagc gacgtaaatg tcaatgctga 360
255 gaaataaacg ataatacttt aaatgaagtt ctaaaattta aattttggca tcggttgatg 420
256 ttggataaag aaaacgatgg aggctagtaa tttttcttct tttttaagta tctagattgt 480
257 catatattga atttttcagt ttttcatccc tttgaggaca atccaactat tattttcctt 540
258 ttcttatgta aaaggttgaa caacatattc aaacataaaa aaataaaaatt aaatgaaata 600

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## RAW SEQUENCE LISTING

DATE: 03/09/2006

PATENT APPLICATION: US/10/520,350

TIME: 12:28:22

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\03092006\J520350.raw

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259 aatttacaat tcataaaatt tacagaatth atgttaagaa aatattcaaa cttagataat 660
260 aataaagcaa caaaatcgta ctaaaaagaa gtataattgt acattgtata ctactactcc 720
261 tacaatttta gacttagaat ttttaatttc ctgaaatcta gtaatgccat ttttttcttt 780
262 ctagttagaac cagacagtaa gtttaactcg aaacttataa gctaattgagc gaagtcgggc 840
263 aattcactcg tacctgacgg agcgagcttg gttcatggag aaggacttgt cgaactgggc 900
264 ctggggaggg tcggggagcg ggccggaggc ccgcccccg gagttggagt agcggaggac 960
265 ggcgacgccg gcgacgcggc gccacacggg gtcgttcacc atgcgcgcgc tggcgacgac 1020
266 gtagtagtcg gagctcgcgt tctggctcgg ggtgacgagg aaggagtagg actggccgac 1080
267 gtggacgtcc aggttggtgt agttctgctg cgtcgtgtag gagccctccg tctccaccag 1140
268 caccatgttg tgccctgga tctgaagtt gaggtcgtc gacgtccca cgttgtgcac 1200
269 tcggatcctg tacgtcttgc ctgtgtcccc acaccgagc gcgcgacaca cgcgcaaaag 1260
270 ataatagact cattgtaagt aggtagtaac cttctccgtt tcatattata aatcgtttga 1320
271 ttatatTTTT gttagttaaa cttctttaag ttttttttct ataaacttaa ttaaacttaa 1380
272 agaattttta taaaaaaat caaacgactt ataataataa atggatggag tagttgcatc 1440
273 aatttgtgga tgaagcaaac aagattatat ctttttcatg agggtgaaag tattcagtga 1500
274 acaattcgtc agtttcaagt ttcattgaaat cggacagggt ctctgaaagt ctgtattttt 1560
275 ggtactgttg gattgactac tctggcttct gttgtcacat cttttgtatc ctagtttcgg 1620
276 taaaaaaat tttggcattt ttactcctat cgttgatctg ttttaactgaa accattgcat 1680
277 gatatactac tagcagacaa aactggtgaa aattcacgag aatgaacttt ttgtcagtta 1740
278 agcattagcg gacagcttca gtaagcagag caggctgcct taaggcttaa agcactatct 1800
279 tccacaacac tttgtcctac aatcaaattc caaatttact atcacaaaaa gcgaaggaac 1860
280 taactaaacc ttactcctac tagtactact gctatgacta tgaaacaaga ttccaatcca 1920
281 aagaaaaacac agtgctcgat cagcatgata aaagcaacga aacctgctca tccagctgcc 1980
282 aaaatgccac cccactgact ctacgtacgt actacgtatt gacgctgtaa aaaactagcc 2040
283 gtagtacaga gaagaggacc caaagtttct tcaaaaattt tattttaccc ggatccacat 2100
284 tgatggtctc gtactcgatg ccggccggga caaggctgtc gttgtacctg tacgggccct 2160
285 tgccgttaat cagcacgccg tccggcatcc cgaggctcct gccactgtcc agcatcttcc 2220
286 tcagatcctg caacgaattc
2240

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288 &lt;210&gt; SEQ ID NO: 20

289 &lt;211&gt; LENGTH: 2601

290 &lt;212&gt; TYPE: DNA

291 &lt;213&gt; ORGANISM: Oryza sativa L.

293 &lt;220&gt; FEATURE:

294 &lt;221&gt; NAME/KEY: misc\_feature

295 &lt;223&gt; OTHER INFORMATION: PCR marker C1361 MwoI

297 &lt;400&gt; SEQUENCE: 20

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298 tcttgctgag atccaagttg cggtaacttt gcccttttct ttttttcttc tcttctgaat 60
299 tttttcatgg tttttgggag agattttcgt aacttgatta cagttctagg aaaaggccac 120
300 cttgttcaaa cagggttttc ttgaaaggga tcaatttgct aggagtacat gattctaaaa 180
301 gcgatttoga aataaaacac agttctcgat ctacatactg aaaacaaaag gcccatactg 240
302 tgtaaaactgt gattatgctt ctgtttaaag ggatatttgt acaaaattga cgccaaccac 300
303 ctataaacag attgtgagct tttatcttag taaaataaaa tgtgacattc tactcagtgt 360
304 tcagtgatcc gatgtcgtct cttctgcgta caacttctaa cagccgtttt cggtagtaca 420
305 aactagcgaa acacaaaaaa cgcagcattt gagttctgga atacgctgaa attgttagaa 480
306 tcaaccacga aaccaaattc attgttcaga aacggtgcaa cgagataaaa cacaagaact 540
307 tgttttaaca aagcatacgg acagtacata tacggttaca acaccagtc tttatacagt 600
308 tctgctggag ttccatctac tggctgtcat tgtatctcag gacagacagg ttaacatagg 660
309 tacaacacaa ttacaggcta aaccgaagcg aactacactg tcagcatctc taacagtatc 720
310 gtcaagcaag cttatttaca gctgctctag taaatttaca acgtccctgg cagaatccct 780

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/520,350

DATE: 03/09/2006  
TIME: 12:28:23

Input Set : A:\PTO.KD.txt  
Output Set: N:\CRF4\03092006\J520350.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 28  
Seq#:2; Line(s) 40  
Seq#:13; Line(s) 173  
Seq#:14; Line(s) 185  
Seq#:15; Line(s) 197  
Seq#:16; Line(s) 209

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/520,350

DATE: 03/09/2006

TIME: 12:28:23

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\03092006\J520350.raw